

Practice Quiz 3.2 Solving systems using elimination

Period _____

Solve each system by elimination.

1)
$$\begin{aligned} -4x - 4y &= 12 \\ 4x + 5y &= -17 \end{aligned}$$

2)
$$\begin{aligned} -2x - 2y &= -18 \\ -2x + 4y &= 6 \end{aligned}$$

3)
$$\begin{aligned} 3x + y &= -2 \\ -5x + 2y &= -4 \end{aligned}$$

4)
$$\begin{aligned} 10x - 6y &= -10 \\ 5x - 3y &= -5 \end{aligned}$$

5)
$$\begin{aligned} -3x - 5y &= 15 \\ -4x + 3y &= -9 \end{aligned}$$

6)
$$\begin{aligned} 6x - 3y &= 18 \\ 5x - 4y &= 9 \end{aligned}$$

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Solve each system by elimination.

1) $-4x - 4y = 12$

$4x + 5y = -17$

$(2, -5)$

3) $3x + y = -2$

$-5x + 2y = -4$

$(0, -2)$

5) $-3x - 5y = 15$

$-4x + 3y = -9$

$(0, -3)$

2) $-2x - 2y = -18$

$-2x + 4y = 6$

$(5, 4)$

4) $10x - 6y = -10$

$5x - 3y = -5$

Infinite number of solutions

6) $6x - 3y = 18$

$5x - 4y = 9$

$(5, 4)$